



## DATA SHEET

# 3Com® Baseline Switch 2800 Family

## Key Benefits

### High-Performance Gigabit Switching

These highly affordable, unmanaged Gigabit switches are the ideal network building blocks for supporting dynamic, creative small-to-midsize business environments. With wirespeed Gigabit throughput and a switching capacity of up to 48 Gbps, these switches deliver the performance needed for the most bandwidth-hungry applications. Advanced Class-of-Service (CoS) 802.1p traffic prioritization makes sure that real-time applications such as video and audio take priority so they run effectively, and enable the switches to operate in larger network environments.

### Prepared for the Future

With 3Com® Baseline Switch 2800 family, you can support legacy Ethernet and Fast Ethernet desktops while connecting demanding higher-speed desktops and servers. As network equipment evolves—new servers with built-in Gigabit Ethernet connections, for example—you can smoothly transition to higher speeds while protecting your network investment. This flexibility means that you can take advantage of high-bandwidth LAN connections today and avoid exceeding throughput capacity as your office staff or application bandwidth needs grow.

### Plug-and-Play Unmanaged Operation

Designed for small businesses that do not require network management, the 3Com Baseline Switch 2816 and Baseline Switch 2824 operate straight out of the box, with no configuration

required. The auto MDI/MDIX cable detection feature on all ports identifies and adapts to the Ethernet cable type, eliminating most common cabling errors and simplifying installation. Once the switches are up and running, autosensing ports detect and adjust to the speed of the connected device to optimize network performance.

### Rack-Mounted or Free-Standing Configuration

Small-business configurations can vary, so these Gigabit switches are designed to operate as a free-standing switch, or as a rack-mounted switch using the included mounting kit. The standard 19-inch, one rack-unit-high (1RU) enclosure optimizes valuable rack space in small-to-midsize office spaces.

### Top Reliability with Limited Lifetime Warranty

As with 3Com's other award-winning small-business products, once these Gigabit switches are up and running, they tend not to stop. Their sturdy design and construction pays off in high reliability and long service life—highly appreciated by today's resource-strapped organizations. 3Com switches are consistently among the industry's most reliable products. In addition, 3Com offers a strong support package with Limited Lifetime hardware warranty, ninety days free technical phone support and unlimited web support to ensure peace of mind long after deployment.

# 3COM® BASELINE SWITCH 2800 FAMILY DATA SHEET

## Product Features

Feature	Benefit
<b>Powerful, Advanced Switching</b>	
Gigabit wirespeed performance, 48 Gbps switching capacity	Connect to servers and desktops running at 10, 100, or 1000 Mbps. Migrate to servers and desktops running Gigabit speeds without additional network investment.
IEEE 802.1p prioritization CoS support with two priority queues per port	Allows networks to run real-time multimedia applications more effectively by reserving bandwidth for time-sensitive video, audio, and voice traffic.
Cost-effective Gigabit connections	16-port or 24-port density provide expansion for growing small businesses at a very affordable price per port.
<b>Simple Installation and Use</b>	
Auto MDI/MDIX	Simplifies installation by eliminating common cabling errors, automatically detecting the type of Ethernet cable used (straight-through or crossover).
Pre-configured setup	Switches work "right out of the box" with no configuration or management software needed.
Consistent form factor, clean design	Standard 1RU box size optimizes rack space.
Easy-to-read front panel LEDs	Front panel LED interface gives at-a-glance status and network information to simplify diagnostics and troubleshooting.
<b>Reliable</b>	
Sturdy, dependable design	3Com delivers premium-quality, reliable networking products that stay up and running year after year.
Complete support package	Limited Lifetime Hardware Warranty, including fan and power supply, provides peace of mind. 90-day free telephone support and unlimited web support is there when you need it.

## Specifications

### Total ports

3C16478: 16 autosensing  
10/100/1000

3C16479: 24 autosensing  
10/100/1000

### Standards Conformance

ISO 8802-3  
IEEE 802.3 (Ethernet)  
IEEE 802.3u (Fast Ethernet)  
IEEE 802.1d (bridging)  
IEEE 802.3x (flow control)  
IEEE 802.3ab (Gigabit Ethernet)

### Media interfaces

10/100/1000BASE-TX/RJ-45

### MAC addresses

32,000

### Ethernet switching features

Wirespeed, non-blocking Layer 2 switching; Store-and-forward forwarding; Full-/half-duplex auto-negotiation; 802.1p traffic prioritization (priority queuing)

### Electrical Power

Power inlet: IEC 320  
AC line frequency: 47/63 Hz

Input voltage: 100-240 VAC  
Current rating: 0.4A at 115V,  
0.2A at 230V  
Maximum power consumption:  
*Switch 2816*: 37.9W,  
*Switch 2824*: 45.7W

Maximum power dissipation:  
*Switch 2816*: 156 BTU/hr,  
*Switch 2824*: 129.4BTU/hr

### LED Indicators

Power, network traffic/duplex mode, link status/speed

### Physical Dimensions

Height: 44 cm (17.3 in)  
Depth: 17.3 cm (6.8 in)  
Width: 4.4 cm (1.7 in)  
Weight:  
*Switch 2816* – 1.87 kg (4.12 lb);  
*Switch 2824* – 1.96 kg (4.32 lb)

### Operating temperature:

0° to 50°C (32° to 122°F)

Humidity: 10 to 90%  
(non-condensing)

### Safety

UL 1950, EN 60950, CSA 22.2  
#950 IEC 60950

### Emissions

EN 55022 Class A, FCC Part 15  
Subpart B Class A, ICES-  
003 Class A, VCCI Class A,  
AS/NZS 3548 Class A, CNS  
13438 Class A

### Environmental

EN 60068 (IEC 68)

### Immunity

EN 55024

### Package Contents

Switch  
Rubber feet  
Rack-mount kit  
User's guide

## Ordering Information

3Com Baseline Switch 2816 (16-Port Unmanaged Gigabit Switch)	3C16478
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3Com Baseline Switch 2824 (24-Port Unmanaged Gigabit Switch)	3C16479
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### Another 3Com Unmanaged Gigabit Switch To Consider:

3Com SuperStack® 3 Baseline 10/100/1000 Switch 8-port	3C16477
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To learn more about 3Com solutions, visit [www.3com.com](http://www.3com.com). 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

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